

In re Kern, et al.  
Serial No. 09/394,027

In the Claims:

Please cancel claims 1-9, 16, 17, 19, 20, 29 and 36.

Please substitute the following claim 18, 30 and 35 for current claims 18, 30, and 35.

18. A door for at least partially covering a doorway in a wall and being able to recover from an impact, comprising:

- a resilient core;

- a flexible covering that at least partially covers the resilient core to comprise a first door panel having a relaxed shape disposed along a plane, the first door panel being at least thickness compressible and further being able to substantially recover its relaxed shape after an impact causes appreciable distortion in the first door panel, the first door panel being further able to transmit in a direction within the plane a compressive load having a magnitude below a first threshold without appreciable distortion to the first door panel;

- an actuation system coupled to the first door panel to render the first door panel moveable laterally to the doorway between a doorway blocking position and an unblocking position while inhibiting the first door panel from rotating about a vertical axis;

- a second door panel coupled to the actuation system and being substantially parallel with the first door panel and displaced out of coplanar alignment therewith;

- a trailing edge seal extending from the first door panel towards the second door panel;

and

- a leading edge seal extending from the second door panel towards the first door panel, wherein the first door panel and the second door panel both move in a first direction to close the door such that the trailing edge seal engages the leading edge seal, and wherein the first door panel and the second door panel both move in a second direction to open the door such that the trailing edge seal disengages the leading edge seal.

30. A door for at least partially covering a doorway in a wall and being able to recover from an impact, comprising:

a resilient core;

a flexible covering that at least partially covers the resilient core to comprise a first door panel having a relaxed shape disposed along a plane, the first door panel being at least thickness compressible and further being able to substantially recover its relaxed shape after an impact causes appreciable distortion in the first door panel, the first door panel being further able to transmit in a direction within the plane a compressive load having a magnitude below a first threshold without appreciable distortion to the first door panel;

an actuation system coupled to the first door panel to render the first door panel moveable laterally to the doorway between a doorway blocking position and an unblocking position while inhibiting the first door panel from rotating about a vertical axis; and

a plurality of backup plates interposed between the resilient core and the flexible covering, wherein the plurality of backup plates have a rigidity greater than that of the resilient core and the flexible covering.

35. A door for at least partially covering a doorway in a wall and being able to recover from an impact, comprising:

a resilient core;

a flexible covering that at least partially covers the resilient core to comprise a first door panel having a relaxed shape disposed along a plane, the first door panel being at least thickness compressible and further being able to substantially recover its relaxed shape after an impact causes appreciable distortion in the first door panel, the first door panel being further able to

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transmit in a direction within the plane a compressive load having a magnitude below a first threshold without appreciable distortion to the first door panel;

an actuation system coupled to the first door panel to render the first door panel moveable laterally to the doorway between a doorway blocking position and an unblocking position while inhibiting the first door panel from rotating about a vertical axis; and

a carrier securing the first door panel to the actuation system and a support beam coupled to the carrier and interposed between the resilient core and the flexible covering.